70 YEARS ANNIVERSARY
1946 MOUNT DIABLO W6CX AMATEUR RADIO CLUB
WWW.MDARC.ORG

THE CARRIER

The monthly newsletter for the Mount Diablo Amateur Radio Club
Volume LXVI - Number 11 – November / December2017

Friday November 17, 2017
7:30pm
Our Saviors Lutheran Church
1035 Carol Lane Lafayette
DX Interest Group Meeting
With Dave Piersall, N6ORB 6pm
*** License Testing 6pm ***

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Season's Greetings

Affiliated Club

NOVEMBER MEETING PROGRAM

FUN WITH THE LEO SATELLITES - OPERATING PORTABLE

Presented by Tom Deeble, KA6SIP

With equipment that you may already have or with a minimal investment, you could be talking on the FM "EasySats" or to the International Space Station (ISS). KA6SIP will explain some technical stuff about the satellites, radios, etc., but will mostly talk about the fun, and challenge, of operating portable in the field – from Tahoe in the winter, to the desert, to Hawaii, and lots of other locations. There will be lots of pictures showing portable operation and also different radio setups.

LICENSE TESTING REPORT

The following are the new hams from the fall 2017 license class:

Natalie Keogh, KM6NDJ Concord
Diane E. Swimmer, KM6NGK Walnut Creek
Ronald Roberts, KM6NDL Concord
Cristy Clarke, KM6NGM Orinda
Sean Donelan, KM6NGN Concord
Robert Halvorson, KM6NGO Concord
Michael Beller, KM6NGP Pinole
Brennan Greger, KM6NGQ Crockett
John Erik Wernes, KM6NGR Bay Point
Brian Lotter, KM6NGS Clayton
Chandra Damele, KM6NGT Bay Point
Michael Warren, KM6NGU Pittsburg

If you hear any of these new hams on the air, please congratulate them on their recent accomplishment.
— *Larry Loomer, KI6LNB*

amazonsmile
You shop. Amazon gives.

When you purchase at Amazon dot com smile, a portion of your purchase is donated to our club.

Go to:
https://smile.amazon.com/ch/23-7072059

ALL MEMBERS ARE INVITED TO JOIN THE CLUB YAHOO GROUP. DOWNLOAD FILES, INCLUDING *THE CARRIER* IN **FULL COLOR** AS WELL AS SHARE INFORMATION WITH THE MEMBERSHIP AT:

http://groups.yahoo.com/group/mdarc

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Mount Diablo Amateur Radio Club W6CX
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The Carrier is a monthly publication of the Mount Diablo Amateur Radio Club (MDARC). It is the policy of the editor to publish all material submitted by the membership provided such material is in good taste, relevant to amateur radio and of interest to MDARC members, and provided space is available.

President - Mike Patterson, N6JGA
Vice President - Larry Bradley KK6QPE
Secretary – Dick Fletcher, AF9RF
Treasurer - Cathi Walton, K2CJW
Technical Committee Chair
Jim Siemons, AF6PU

Directors At Large
Trevor Hall, WA6JAU
Terry Buxton, KK6KGX
Janice Fujii, KG6VTD
John Primus, AF6RJ

Emergency Coordinator - Ron Bunch, W4FEK

PACIFICON 2017
Chair: Misa Siemons, KJ6BUE
Registration: Tom Deeble, KA6SIP & Debbie Deeble
Treasurer: Jim Siemons, AF6PU
Secretary: (vacant)
Web Page: Mike Patterson, N6JGA

Membership Chair – Tom Deeble, KA6SIP
mdarcmembership@mdarc.org

Website - David Schild, KK6CQX
Repeater Trustee - Jay Caldis, KT6Y
Education & Training Chair - John Primus, AF6RJ
License Testing - Larry Loomer, KI6LNB
Public Service - Klaus Berkner, K6KHB
Outreach Coordinator - Jim Siemons, AF6PU
Field Day Chair - Larry Loomer, KI6LNB
Refreshments: Elizabeth Styles, KG6HLV
Holiday Party - Misa Siemons, KJ6BUE
Communications Van - Lauren Styles, WA6CIE

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PRESIDENT'S MESSAGE

MDARC Family

Pacificon has come and gone, and several people I talked to say it was the best Pacificon they've ever attended. I've even heard a few say it was the best ham convention they've attended - anywhere, anytime. The attendees, vendors, speakers, ARRL personnel, everyone was exceedingly happy. We had over 1,600 attendees, including some 80-100 Boy Scouts, Gordon West, Bob Heil, Carole Perry, two rooms and a hallway full of vendors, kit building, the Antenna Seminar, a Technician One-Day class, a busy Special Events Station, the swap meet and much more. We drew attendees from across the nation and even other countries, such as Canada, Australia and Brazil. To say it was a major success would be an understatement. When you see a member of the Pacificon Committee, please be sure to thank them for all they do for the Club and for ham radio

For the last several years, Pacificon has been made even more successful, due to the outstanding contributions of other clubs in the Bay Area. The Palo Alto Amateur Radio Association (PAARA) sponsors the Special Events Station, providing all the equipment and most of the manpower needed, both of which are substantial. The Bay-Net Amateur Radio group provides the excellent Sunday morning forums on Ham Radio 101/201, showing new and experienced hams alike good ways to get involved and enjoy our hobby. And the Livermore Amateur Radio Klub (LARK) managed the Sunday morning Swap Meet with their long-held expertise. Pacificon would not have the quality and enjoyment it does without the hard work and support of these groups. Thank you.

Our Holiday Banquet is coming up in about 3 weeks. It will be Sunday, December 3rd at the same location as last year; Zio Fraedo's Restaurant in Pleasant Hill. Reservations have been sent out by email. If you missed it, go to our Holiday Banquet web page, http://www.mdarc.org/activities/holiday-party, for details and to register. Also, remember the banquet replaces our December Club meeting. There will not be a regular Club meeting on the 3rd Friday, Dec. 15.

The Salvation Army is kicking off their annual Frozen Turkey Drive again this year by collecting frozen turkeys before the November meeting. So pick up a frozen turkey (or two or …) and bring them to the meeting with you. The Salvation Army and the people they help will very much appreciate your generosity.

Remember that the Club's annual election for officers and members of the Board of Directors will be held at this week's meeting, Nov. 17. All officer and two of our four Director positions are up for election. You should have already received by email a ballot for voting. Email and postal mail ballots must be received no later than 5:00 pm Nov. 16, the day before the meeting. See the instructions in the ballot message. Of course, there will also be paper ballots available onsite before the meeting, if you prefer to vote in person or if the email ballot missed you. The election is vital for the health of our Club, so please be sure to vote.

Of course, don't forget our presentation at the November meeting. Our own Tom Deeble, KA6SIP, will tell us how we can contact Low Earth Orbit (LEO) satellites – and maybe even the International Space Station - using equipment we may already have or with a minimal investment. See our Speaker's page (http://www.mdarc.org/activities/club-meetings/speakershttp://www.mdarc.org/activities/club-meetings/speakers) for details.

I've been your President for the last three years, and it's been one heck of a ride. I've learned more about the Club and ham radio in general during this time than at any other period. We've accomplished a lot, and we have more to do. It's been fun, busy, sometimes a little overwhelming, and always satisfying. But like house guests and fresh fish, one should stay for only so long. Now it's time to turn things over to the next President, who will no doubt have some new ideas and a fresh approach. We have a strong, active and respected Club and an excellent slate of candidates for our Board. I look forward to working with them; and with all of you. Thank you for allowing me to be your President.

73,

Mike Patterson, N6JGA
President

Greetings!

It's that time of year for the MDARC elections. We are sending the ballots by e-mail to save on postage and hopefully making it easier for you to vote. Below are the nominees for officers and directors for the 2018 calendar year: Note: a "*" following a callsign indicates an incumbent.

Office	***Candidate (Vote for One)***	*"X"*
President	Larry Bradley, KK6QPE	
Vice President	Ed Morales, KJ6KYT	
Secretary	Dick Fletcher, AF9RF *	
Treasurer	Cathi Walton, K2CJW *	
Emergency Coordinator	Ron Bunch, W4FEK *	
Director	***Candidates (Vote for Two)***	
	John Primus, AF6RJ *	
	Trevor Hall, WA6JAU *	

You can also nominate someone else for any position - include the names and position in the body of the text and use something like "write-in" for the subject line.

If you have not voted electronically, you may vote at the MDARC general meeting Friday, November 17, 2017, before 7:45 P.M.. Paper ballots will be available.

Thank you,
Tom Deeble - KA6SIP, ka6sip@gmail.com, Mt. Diablo Amateur Radio Club Membership Chairman

Meet Your Fellow Club Members

In an effort to get to know your fellow club members better, our newsletter will feature an interview each month from one of our fellow club members.

This month, meet Club Director at Large Trevor Hall, WA6JDU.

What got you interested in ham radio?

My Father was an amateur radio operator.

When and where did you become a ham? Is any member of your family a ham?

I tested at the San Francisco FCC office in 1972. No one else in my family is licensed.

What is (was) your profession? Do you have any other hobbies and interests?

I was an electronics technician. My other hobbies are golf and being a maritime engineer.

What ham radio activities to you enjoy the most? **Service nets and radio repairs.**

What is your favorite thing to do in MDARC?

Attend board meetings, tech meetings, breakfast with fellow hams, PACIFICON and the club holiday party.

How would you improve the MDARC Club?

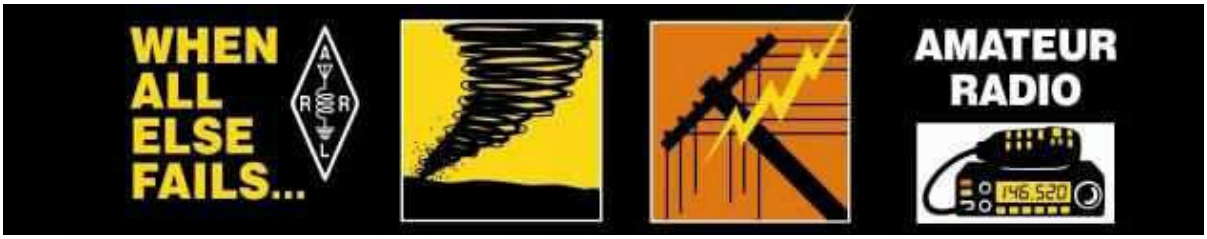
Relocate Field Day to Mount Diablo. Plan some events that the entire family would enjoy.

What future plans and ambitions do you have for your interest in ham radio?

Use D-STAR to improve low-speed data transmission services.

Do you have future plans and ambitions with MDARC?

I have already served on every committee and held almost every officer position in the club. I will continue to serve on the board if possible and be an instructor in the license classes.



James Abron, W6AQT

Daniel Coryell, KM6IHC

Dan Higgins, N6ZDH

Katie Higgins, KM6KMP

Peter Kropf, KK6RUH

Jan Kulisek, KM6NFC

Nick Ascencio, N8SJK

Christina Ascencio

William Flow

Jeff Peacock, KM6NQX

Patrick Dunphy, KM6JDQ

Deborah Janke, KM6IXM

Jerome Janke, KK6YGA

M. Carmen Mulkearns

Board of Directors Meeting Minutes

Date: November 6, 2017 Time: 7pm

Presided over by: President, Mike Patterson, N6JGA

Recorded by Richard Fletcher, AF9RF, Secretary

The meeting was held at the Black Bear Diner, 700 Bancroft Rd., Walnut Creek, Ca.
and was opened at 7:02 PM. There were 13 attendees:

Eric Ferguson, KA6USJ, Trevor Hall, WA6JAU, John Primus, AF6RJ, Larry Bradley, KK6QPE, Jim Siemons, AF6PU, Janice Fuji, KG6VTD, Cathi Walton, K2CJW, Ron Bunch, W4FEK, Terry Buxton, KK6KGX, Ed Morales, KJ6KYT.

Treasurer Cathi explained the composition of the current financial report. It was composed of four (4) outstanding balances. They were MDARC Checking Account, which had a monthly total, after income and expenses, of -$2,291.94, The MDARC Balance is standing at $31,826.03, and the Equipment Self-Insurance Fund stands at $56,046.65. The PACIFICON Checking Account stands @ $69,250.26. The club Total Account Balance is $157,122.94. She also noted that funds for classes will now come through Pay Pal

John Primus, AF6RJ, of the Education and Training group, submitted a report stating that after 7 class sessions starting 8/17/17, the student participation stood at 22, the younger of which is three students, Aged 15, 13, and 11 years old. 13 students took the exam with 11 earning their new Technician class license. A GOTA-HT class will commence 10-12-2017 for three class sessions. Tech class license classes begin again 1/11/18. He further announced the class produced 14 new MDARC members.
VP Larry Bradley announced the program for the January Club meeting will be "Locating and Killing receiver interference" by NA6O, Gary Johnson. He also noted that the November program will be "Fun with the LEO Satellites by Tom Deeble, KA6SIP.

Mention and thanks was expressed for the card received from KM6KUH.

Jim Siemons, AF6PU, announced his candidacy for the ARRL East Bay Section Manager position. (repeat notice) It was noted that it has been confirmed that ZIO FREDOSE's will be the location for the Holiday banquet. The cost is $55 dollars per person. There will be club activities such as "Ham of the Year" and "Kilroy key" awards.

A discussion ensued pertaining to the success of Pacificon activities and personal performances.

Kudos go to the Livermore Club for holding the Swap Meet for us.

Tech Commitee reported the big show that the club Van got.

It was announced that club operational policies are now available and on the club web site.

The meeting was adjourned at 8:27 PST.

Respectfully Submitted
Richard W Fletcher, AF9RF

MDARC General Meeting

Date: October 20 2017

Presided over by President Mike Patterson, N6JGA

Described by: Secretary, Richard W Fletcher, AF9RF

Meeting location: **MDARC PACIFICON, 2017**
which was held at San Ramon Marriott Hotel

The meeting was held at 7:00, PM PST.

There was no formal meeting as there was no business to discuss.

A program was presented at the conclusion of the gathering titled "Getting the most from a Maker's Faire".

Submitted by Richard Fletcher.

MDARC Members Participate in the "Great California Shake Out" Earthquake Exercise

On Thursday, October 19, 2017, the "Great California Shake Out" occurred. As a part of this event, a resource net was called on the mighty MDARC Repeater, W6CX. Larry, KI6LNB, was the net control person and scribe for this event. There were a total of 33 checkins on that net. Hams from as far away as San Jose, Vacaville, Stockton, San Francisco, Petaluma, El Dorado, and Oakland, as well as a lot of local hams with familiar call signs, checked in to the net. Two schools that were in the middle of their "Drop, Cover and Hold On" drills checked in, including a middle school in Vacaville and Campolindo High School in Moraga. It was nice to know that there were at least 33 hams monitoring the W6CX repeater at that time of the morning, and that they were available to call in for this drill. Thank you to all of the hams that participated.
—- *Larry Loomer, KI6LNB*

MDARC Hams Play a Major Role in the Napa Fire Animal Evacuation

During a four day period ending Sunday, October 15, 2017, a group of local ham radio operators, headed by the Mt. Diablo Amateur Radio Club, played a major role in the Napa Fire Animal Evacuation operation. This effort was based at the Napa Valley Horseman's Association Ranch outside of the city of Napa.

The President of the Ranch, Mark Evans (himself a ham, KE6O) put out a call through social media for ham radio help. Peg Gardner, KJ6MXT, a local ham, saw the call and passed it on through the MDARC group email. A group was established that I coordinated with Peg's assistance.

Hams that took part during the next four days were Elaine Baker, KJ6MXP, Bill Shaffer, N6SGT, Klaus Berkner, K6KHB, Dave Piersall, N6ORB, Erica Iwinski, KJ6APC, Lisa Martin, KM6JBW, Frank O'Leary, KF6FIO, Kathy Wells, KK6KDW, Lawrence Koga, KI6DUE, Peg Gardner, KJ6MXT and myself, KE6ZIW.

Their primary roles were:

1. <u>To set up a base station and net control at the Ranch</u>, with mobile radios, using a 440 repeater on Sugarloaf Mountain outside of Napa, and one on Mt. Saint Helena, north of Calistoga. The antennas ranged from a mag-mount on an old rickety metal barn roof (which worked great by the way), to a twin lead J-pole hung at the top of a 25 foot fiberglass mast, to a Diamond dual band antenna at the top of an extendable mast held in place with a bottom plate under the ham's automobile wheel

2. <u>To take part in mobile animal evacuation teams that went behind fire lines</u> (mostly in rural areas or where cell towers were down) to find and evacuate various animals that were reported by their owners as being left behind when they had to suddenly flee last week due to the fires. The mobile teams consisted of a veterinarian, a ham radio operator, a driver, and a firefighter escort. They drove in pickup trucks hauling large animal trailers. These hams used handheld HT radios with mag-mount antennas on the vehicle roofs.

The base station ham received reports of animals needing evacuation, their locations, descriptions, names, where they might be hiding, etc. This information was radio'd to the mobile teams, who went to look for those animals and evacuate them if possible.

During the operation more than 200 horses, and many dogs, cats, goats, chickens, rabbits and even a tortoise, were found and brought to the ranch or other local animal shelters. Stray domestic and ranch animals that were found behind fire lines were also picked up when possible. Food and water was left for animals that could not be found, and the teams returned at later times to again try to find them.

A team of approximately 15 volunteer veterinarians at the Ranch assessed and organized care of the animals. A couple of animals had to be euthanized after being delivered to the Ranch due to serious burn injuries. But the great majority were saved.

There were many other volunteers at the Ranch. Many helped to care for the animals, some cooked and served meals, some delivered hay, some went to local stores to get supplies and equipment, and some transported animals to other facilities when the Ranch ran out of room. The entire operation appeared to be organized and coordinated under the Incident Command System (ICS).

Very smoky conditions from surrounding hills and mountains that were on fire came and went. A couple of times we were told to be ready to evacuate quickly (I kept my car pointed in the direction out). It was a dynamic, fluid and energetic event.

Mark Evans, the Ranch President and Operations Director of the evacuation operation told me Sunday, “we absolutely could not have done this without the hams”. He was so impressed with our contribution that he is considering establishing a permanent Radio Shack with external antennas in one of the buildings located on a hill at the Ranch.

Here are some photos of some of the volunteers from the evacuation operation that took place over the last few days: https://www.flickr.com/photos/11636522@N06/albums/72157686265351152

And here is a short video clip from one of the daily morning briefings by the lead veterinarian (click on “play” arrow)
https://www.flickr.com/photos/11636522@N06/37018556884/in/dateposted-public/

—— Pete Harris, KE6ZIW

For the last serveral years MDARC has had a working relationship with The Salvation Army Concord Corps and have used their facilities to run License and other classes as well as holding Pacificon meetings in their facilities (2017 we have used the facilities for about 140 hours of classes and meetings and we also store MDARC 2 trailer on the property. In return we have 3 opportunities to assist them during the year: The yearly TURKEY DRIVE; BELL RINGING; and cleaning up the canteen cage a couple of times a year.

TURKEY DRIVE at Nov 17 MDARC meeting

This year The Salvation Army Concord Corps needs 500 + frozen turkeys to pass out to clients. As done in the past years I will be at the Nov 17 club meeting to accept any frozen turkeys that you bring to the meeting; I will also be accepting cash or checks (made out to The Salvation Army and put Turkey's on the memo line) and take them to Salvation Army after the meeting. You may also take frozen Turkeys to The Salvation Army Concord Corps at 3950 Clayton Road (cross of West Street) Monday through Friday between 9:30 AM and 4:30 through Nov 21 2017 . Please let me know how many turkey you delivered by email (wa6cie.ham@gmail.com) so we can keep track of how many have been donated by MDARC.

MDARC / SATERN Bell Ringing Day Saturday Dec 9 2017

Bell Ringing is a great family activity. This year we will be ringing the Kettle Bell at Walmart, 1021 Arnold Drive, Martinez, CA between 9AM and 5PM. We station 2 people (or more if it is a family doing the ringing) in 2 hour shifts during the day. Children under 18 are welcome as long as a parent is there with them. If we have enough volunteers we will put out another Kettle at the other door of Walmart. Note that the funds raised by our volunteer will 100% used in Salvation Army Social Service in programs in Contra Costa County during 2018. Contact me at wa6cie.ham@gmail.com if your interested in participating on Dec 9 or any other time dur.ing between Thanksgiving and Christmas.

73, Lauren Styles, WA6CIE

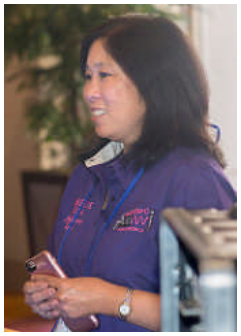
Salvation
Army
Team
Emergency
Radio
Network

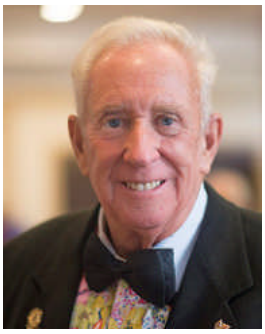
PACIFICON 17

SAN RAMON CA

AMATEUR RADIO CONVENTION

MDARC





PACIFICON 2017, held at the San Ramon Marriott in San Ramon, California during the weekend of October 20-22nd was a funtastic weekend for all who attended!! A huge thanks go to the amazing, hard-working PACIFICON Committee who volunteered a whole year committing countless hours of their free time to putting together a very successful PACIFICON 2017 Convention.

Thank you to all the amazing volunteers that helped make PACIFICON 2017 a success and to run smoothly throughout the weekend. Thanks to all the Speakers that presented during the weekend, especially Carole Perry, WB2MGP and Rick Roderick, K5UR who were the Keynote Speakers for the Saturday night dinner banquet & special guest Bill Feist, WB8BZH of SATERN. Special thanks to The Palo Alto Amateur Radio Assoc. (PAARA) for hosting the Special Events Station, Livermore Amateur Radio Klub (LARK) for hosting the Sunday Swap Meet, & Bay-Net for the Sunday Ham 101/201 sessions.

Another big thank you to all the Vendors & Non-Profit Exhibitors that came to PACIFICON from near and far to educate & sell to the public their products. A most gracious thanks goes to Bob, W6RGG & Gwen Vallio, KB6IBX and the Amateur Radio Relay League (ARRL) for their support of MDARC hosting PACIFICON.

— Misa Siemons, KJ6BUE

You are invited to attend the 2017 MDARC-HOLIDAY PARTY & AWARDS DINNER

Sunday, December 3rd
Zio Fraedo's Restaurant
611 Gregory Lane, Pleasant Hill
(925) 933-9091

5:00 PM Appetizers & No-Host Bar
6:00 PM ~ Dinner
7:00 PM ~ Awards Presentation
10:00 PM ~ Evening Ends

Entrée Choices:

Steak
Salmon
Pasta Vegetarian
Chicken Toscana
Chicken breasts, fresh mushrooms, artichoke hearts, white sauce

On-line / mail-in / over-the-phone registrations or cancellations, must be received no later than 12 noon-Monday, November 27th. After that time/date, NO Registrations will be accepted and NO REFUNDS will be given.

Questions, contact Misa Siemons at (925) 876-6611

MDARC 2017 HOLIDAY PARTY AT ZIO FRAEDO'S, Sunday - December 3rd MAIL-IN REGISTRATION FORM

First Name	*Last Name*
Guest First Name	*Guest Last Name*
Guest First Name	*Guest Last Name*
Guest First Name	*Guest Last Name*

Entrée Choice	Quantity	Price Each	SUBTOTAL:
STEAK	_____	x $ 55.00	$_____
SALMON	_____	x $ 55.00	$_____
PASTA	_____	x $ 55.00	$_____
CHICKEN	_____	x $ 55.00	$_____
		TOTAL DUE:	$_____

Make check payable to: MDARC

Holiday form & check payment must be RECEIVED by Monday, NOVEMBER 27TH

Mail to:

Misa Siemons
2308 Lomond Lane
Walnut Creek, CA 94598

Thanks to our Uniformed Services Veterans for Serving and Protecting the United States of America

HAM RADIO OUTLET

14 STORE BUYING POWER!

ICOM

IC-7600 | *All Mode Transceiver*

• 100W HF/6m Transceiver, gen cov. receiver • Dual DSP 32 bit • Three roofing filters- 3, 6, 15khz • 5.8 in WQVGA TFT display • Hi-res real time spectrum scope

IC-7200 | *HF Transceiver*

• 160-10M • 100W • Simple & tough with IF DSP • AGC Loop Management • Digital IF Filter • Digital Twin PBT • Digital Noise Reduction • Digital Noise Blanker • USB Port for PC Control

IC-7100 | *All Mode Transceiver*

• HF/50/144/430/440 MHz Multi-band, Multi-mode, IF DSP • D-STAR DV Mode (Digital Voice + Data) • Intuitive Touch Screen Interface • Built-in RTTY Functions

ID-5100A | *VHF/UHF Dual Band Digital Transceiver*

• Analog FM/D-Star DV Mode • SD Card Slot for Voice & Data Storage • 50W Output on VHF/UHF Bands • Integrated GPS Receiver • AM Airband Dualwatch • FM Analog/DV Repeater List Function

ID-51A | *VHF/UHF Dual Band Transceiver*

• 5/2.5/1.0/0.5/0.1W Output • RX: 0.52–1.71, 88–174, 380-479 MHz** • AM/FM/FM-N/WFM/DV • 1304 Alphanumeric Memory Chls • Integrated GPS • D-STAR Repeater Directory • IPX7 Submersible

KENWOOD

TS-590SG | *HF/50MHz Transceiver*

• Equipped with 500 Hz/2.7 kHz roofing filter as standard • ALC derived from TS-990S eliminating spike issues • Antenna output function (shared with DRV connector) • CW - morse code decoder function

TM-D710G | *2M/440 Dualband*

• V+V/V+U/U+U operation • Built-in GPS • Built-in TNC for APRS & DX-Cluster operation • 50W 2M & UHF • 1,000 memories • Dual receive • Green or amber backlight colors • Latest APRS firmware w/new features • Sky Command II remote functions

TM-V71A | *2M/440 DualBand*

• High RF output (50W) • Multiple Scan • Dual receive on same band (VxV, UxU) • Echolink® memory (auto dialer) • Echolink® Sysop mode for node terminal ops • Invertible front panel • Choice of green/amber for LCD panel • 104 code digital code squelch

TM-281A | *2 Mtr Mobile*

• 65 Watt • 200 Memories • CTCSS/DCS • Mil-Std specs • Hi-quality audio

TH-F6A | *2M/220/440*

• Dual channel receive • .1 - 1300 MHz (cell blocked) RX • FM, AM, SSB • 5W 2M/220/440 TX, FM • 435 Memories • Li-Ion Battery

YAESU
The radio

FT-991 | *HF/50MHz/2M/440 Transceiver*

• 160 M-440MHz - SSB/CW/FM/C4FM Digital/AM/RTTY/PSK • 100 W (2M/440: 50 Watts) • 3.5" TFT full-color touch panel operation • High speed spectrum scope • Roofing filers: 3kHz & 15kHz • 32-bit high speed floating point IF DSP

FTDX1200 | *100W HF + 6M Transceiver*

• Triple Conversion Receiver With 32-bit Floating Point DSP • 40 MHz 1st IF with selectable 3 kHz, 6kHz & 15 kHz Roofing Filters • Optional FFT-1 Supports AF-FFT Scope, RTTY/PSK31 Encode/Decode, CW Decode/Auto Zero-In • Full Color 4.3" TFT Display

FT-450D | *A100W HF + 6M Transceiver*

• 100W HF/6M • Auto tuner built-in • DSP built-in • 500 memories • DNR, IF Notch, IF Shift

FTM-400DR | *2M/440 Mobile*

• Color display-green, blue, orange, purple, gray • GPS/APRS • Packet 1200/9600 bd ready • Spectrum scope • Bluetooth • MicroSD slot • 500 memory per band

FT-60R | *2M/440 5W HT*

• Wide receiver coverage • AM air band receive • 1000 memory channels w/alpha labels • Huge LCD display • Rugged die-cast, water resistant case • NOAA severe weather alert with alert scan

5 Ways to Shop!

- RETAIL LOCATIONS – Store hours 10:00AM - 5:30PM - Closed Sunday
- PHONE – Toll-free phone hours 9:30AM - 5:30PM
- FAX – All store locations
- ONLINE – WWW.HAMRADIO.COM
- MAIL – All store locations

ANAHEIM, CA (800) 854-6046	OAKLAND, CA (877) 892-1745		PORTLAND, OR (800) 765-4267	PHOENIX, AZ (800) 559-7388	WOODBRIDGE, VA (800) 444-4799	PLANO, TX (877) 455-8750 New Store!
BURBANK, CA (877) 892-1748	SAN DIEGO, CA (877) 520-9623	NEW CASTLE, DE (800) 644-4476	DENVER, CO (800) 444-9476	ATLANTA, GA (800) 444-7927	SALEM, NH (800) 444-0047	ONLINE STORE WWW.HAMRADIO.COM

Contact HRO for promotion details. Toll-free including Hawaii, Alaska and Canada. Call will be routed to the nearest store. All HRO 800-lines can assist you. If the first line you call is busy, you may call another. AZ, CA, CO, GA, VA residents add sales tax. Prices, specifications and descriptions subject to change without notice.

The Carrier
Newsletter of the Mt. Diablo Amateur Radio Club
P.O. Box 23222
Pleasant Hill, CA 94523
www.mdarc.org

FIRST CLASS

https://www.facebook.com/mdarc.org

W6CX Nets

Monday 7:00 pm Washington High School Net 147.060+

Monday 8:00 pm SATERN Net 147.060+

Wednesday 7:00 pm SKYWARN Net 147.060+

Thursday 7:30 pm MDARC Club Net 147.060+

Thursday 8:00 pm Amateur Television Net 147.060+

Tuesday 7:30 pm Fat City 10 meter USB/CW Net 28.420 MHz

FM 147.060 MHz + / PL 100Hz - EchoLink: W6CX-R /133896, IRLP: 3057
224.780 MHz - / PL 77Hz 441.325 MHz + / PL 100Hz

D-STAR 145.000 *offset plus 2.5 MHz*
https://w6cx.dstargateway.org/ Digital ATV Output 1244.500
Digital ATV Input 1292.500
ATV Inputs: 1289.25 MHz AM; 1270.000 FM pl 192.8 915.0 AM 427.0 AM
ATV Internet Stream: http://www.w6cxatv.net/live

Contra Costa County Emergency Communications Nets

Every Thursday
http://www.coco-races.org/meetings/nets/

6:35 pm HF Countywide 3.893 MHz LSB

6:45 pm West County 145.110-- (82.5 PL)

7:00 pm Central County 145.680 Simplex

7:00 pm East County 146.535 Simplex

7:00 pm South County 146.355+ (77.0 PL)
7:20 pm Countywide 145.490-- (107.2 PL)
or 147.735-- (107.2 PL)
or 145.410-- (107.2 PL)

Concord Auxiliary Radio Emergency Service (CARES)

Wednesday 8:00pm 147.405 Simplex

November and December 2017 Club Calendar

Friday November 17, 2017	7:30pm	MDARC General Meeting - Our Savior's Lutheran Church 1035 Carol Lane, Lafayette
Saturday December 2, 2017	8:00am	MDARC Technical Committee Meeting - Ygnacio Valley Library 2661 Oak Grove Road, Walnut Creek
Sunday December 3, 2017	**5:00pm**	**MDARC BANQUET - Zio Fraedo's Restaurant** **611 Gregory Lane, Pleasant Hill**
Monday December 4, 2017	7:00pm	MDARC Board Meeting Black Bear Restaurant, 700 Bancroft Avenue, Walnut Creek